



09-19-01

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PTO/SB/05 (4/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 6017.US.D1

First Inventor or Application Identifier Clark A. Briggs

Title See 1 in Addendum

Express Mail Label No. ELS07385162US



09/18/01

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Specification [Total Pages 47]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. Drawing(s) (35 U.S.C. 113) [Total Sheets 10]
4. Oath or Declaration [Total Pages 4]

 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)
 - i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

* NOTE FOR ITEMS 1 & 13 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

5. Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Paper Copy (identical to computer copy)
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. Assignment Papers (cover sheet & document(s))
8. 37 C.F.R. § 3.73(b) Statement Power of (when there is an assignee) Attorney
9. English Translation Document (if applicable)
10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
11. Preliminary Amendment
12. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. * Small Entity Statement(s) Statement filed in prior application (PTO/SB/09-12) Status still proper and desired
14. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. Other: See 2 in Addendum

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

Continuation Divisional Continuation-in-part (CIP) of prior application No. 08/771,737

Prior application information: Examiner Gucker, S. Group / Art Unit 1646

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	(Insert Customer No. or Attach bar code label here)				<input checked="" type="checkbox"/> Correspondence address below
Name	Mimi C. Goller				
	Abbott Laboratories				
Address	Dept. 377, AP6D-2				
	100 Abbott Park Road				
City	Abbott Park	State	IL	Zip Code	60064-6050
Country		Telephone	US-847-935-7550	Fax	US-847-(38-2623)

Name (Print/Type)	Mimi C. Goller	Registration No (Attorney/Agent)	39,046
Signature			Date 9/27/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

**Attachment to PTO/SB/05 (4/98) Utility Patent Application
Transmittal**

1. Variant Human Alpha7 Acetylcholine Receptor Subunit, and Methods of Production and Uses Thereof
2. - Request to Use Computer Readable Form from a Priority Application

DRAFT ATTACHMENT

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

FEE TRANSMITTAL

for FY 2000

Patent fees are subject to annual revision
 Small Entity payments must be supported by a small entity statement,
 otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
 See 37 C.F.R. §§ 1.27 and 1.28

TOTAL AMOUNT OF PAYMENT (\$840.00)

Complete if Known

Application Number	
Filing Date	September 18, 2001
First Named Inventor	Clark A. Briggs
Examiner Name	S. Gucker
Group / Art Unit	1646
Attorney Docket No.	6017.US.D1

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **01-0025**

Deposit Account Name **Abbott Laboratories**

Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

2. Payment Enclosed:

Check Money Order Other

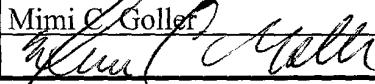
FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105	130	Surcharge - late filing fee or oath	0.00
127	50	Surcharge - late provisional filing fee or cover sheet	0.00
139	130	Non-English specification	0.00
147	2,520	For filing a request for reexamination	0.00
112	920*	Requesting publication of SIR prior to Examiner action	0.00
113	1,840*	Requesting publication of SIR after Examiner action	0.00
115	110	Extension for reply within first month	0.00
116	380	Extension for reply within second month	0.00
117	870	Extension for reply within third month	0.00
118	1,360	Extension for reply within fourth month	0.00
128	1,850	Extension for reply within fifth month	0.00
119	300	Notice of Appeal	0.00
120	300	Filing a brief in support of an appeal	0.00
121	260	Request for oral hearing	0.00
138	1,510	Petition to institute a public use proceeding	0.00
140	110	Petition to revive - unavoidable	0.00
141	1,210	Petition to revive - unintentional	0.00
142	1,210	Utility issue fee (or reissue)	0.00
143	430	Design issue fee	0.00
144	580	Plant issue fee	0.00
122	130	Petitions to the Commissioner	130.00
123	50	Petitions related to provisional applications	0.00
126	240	Submission of Information Disclosure Stmt	0.00
581	40	Recording each patent assignment per property (times number of properties)	0.00
146	690	Filing a submission after final rejection (37 CFR § 1.129(a))	0.00
149	690	For each additional invention to be examined (37 CFR § 1.129(b))	0.00
Other fee (specify) _____			
Other fee (specify) _____			
SUBTOTAL (2) (\$0.00)			SUBTOTAL (3) (\$130.00)

* Reduced by Basic Filing Fee Paid

Complete if applicable

Name (Print/Type)	Mimi C. Goller	Registration No (Attorney/Agent)	39,046	Telephone	935-7550
Signature				Date	9/17/01

WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Washington, DC 20231

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: C. A. Briggs, *et al.*

Express Mail Mailing Label Number
EL5073851621US

Serial No.:

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as Express Mail Post Office to Addressee Service under 37 C.F.R. 1.10 on the date shown below with sufficient postage addressed to the:

Filed: September 18, 2001

Commissioner of Patents & Trademarks
Box: Patent Application
Washington, D.C. 20231, on:

For: Variant Human Alpha7 Acetylcholine Receptor Subunit, and Methods of Production and Uses Thereof

Date of Deposit: September 18, 2001

Examiner: S. Gucker

Wanda C. Smith 9/18/01
Wanda E. Smith Date

Group Art Unit: 1646

Case No.: 6017.US.O1

Date: September 17, 2001

STATEMENT TO SUPPORT FILINGS AND SUBMISSIONS IN ACCORDANCE WITH 37 C.F.R. §§1.821 THROUGH 1.825

Assistant Commissioner for Patents
Washington, D. C. 20231

Dear Sir:

The undersigned, being the attorney of record of the above-identified patent application, submits the following statement regarding the Sequence Listing in paper and computer readable form:

I hereby state that the content of the paper copy of the Sequence Listing submitted herewith, in accordance with 37 C.F.R. §1.821(c) and (e), respectively, is the same as the computer readable form which was submitted in the parent application on December 20, 1996, that the paper and computer readable form copies contain no sequence information that would constitute new matter beyond the original submissions.

Respectfully submitted,
C. A. Briggs, *et al.*,



Mimi C. Goller
Registration No. 39,046
Attorney for Applicants

ABBOTT LABORATORIES
D-0377/AP6D-2
100 Abbott Park Road
Abbott Park, Illinois 60064-6050
Telephone: (847) 935-7550
Facsimile: (847) 938-2623

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: C. A. Briggs, *et al.*

Express Mail Mailing Label Number
EL5073851621US

Serial No.:

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as Express Mail Post Office to Addressee Service under 37 C.F.R. 1.10 on the date shown below with sufficient postage addressed to the:

Filed: September 18, 2001

Commissioner of Patents & Trademarks
Box: Patent Application
Washington, D.C. 20231, on:

For: Variant Human Alpha₇ Acetylcholine Receptor Subunit, and Methods of Production and Uses Thereof

Date of Deposit: September 18, 2001

Examiner: S. Gucker

Wanda E. Smith 9/18/01
Wanda E. Smith Date

Group Art Unit: 1646

Case No.: 6017.US.O1

Date: September 17, 2001

**REQUEST TO USE COMPUTER READABLE FORM
FROM A PRIORITY APPLICATION**

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The computer readable form in this application is identical with that submitted in the parent application, U.S. Serial No. 08/771,737, the specification of which was filed on December 20, 1996. In accordance with 37 C.F.R. 1.821(e), Applicants request that the same computer readable form, which was submitted in the parent application on December 20, 1996, be used as the computer readable form for the instant application. Applicants understand that the Patent and Trademark Office will make the necessary change in application number and filing date for the computer readable form that will be used for the instant application. A paper copy of the Sequence Listing is included in the specification. A statement to support the filings and submissions in accordance with 37 C.F.R. §1.821-1.825 is also included.

Respectfully submitted,
C. A. Briggs, *et al.*,


Mimi C. Goller
Registration No. 39,046
Attorney for Applicants

ABBOTT LABORATORIES
D-0377/AP6D-2
100 Abbott Park Road
Abbott Park, Illinois 60064-6050
Telephone: (847) 935-7550
Facsimile: (847) 938-2623

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: C. A. Briggs, *et al.*

Serial No.:

Group No.:

Filed: September 18, 2001

Examiner: S. Gucker

For: **Variant Human Alpha7 Acetylcholine Receptor Subunit, and Methods of Production and Uses Thereof**

**Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231**

EXPRESS MAIL CERTIFICATE

"Express Mail" label number EL507385162US

Date of Deposit: September 18, 2001

I hereby state that the following *attached* paper or fee

Utility Patent Application Transmittal – 2 pgs.

Fee Transmittal, - 1 pg. (in duplicate)

Preliminary Amendment – 2 pgs.

Specification (39 pages); Claims (7 pages); Abstract (1 page); **Total: 47 pages**

Paper copy of Sequence Listing (5 pgs.)

Drawings – 10 pgs.

Executed Declaration and Power of Attorney (previously submitted) - 4 pages

Statement to Support Filings and Submission in Accordance with 37 CFR 1.821 through 1.825 – 1 pg.

Request to Use Computer Readable Form from a Priority Application – 1 pg.

Two Return-Receipt Postcards

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above and is addressed to the Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Wanda E. Smith

Wanda C. Smith

Signature of person mailing paper or fee

(Express Mail Certificate)